



ARMAK

J E N E R A T Ö R



PERKINS

Technical Specifications



ENGINE

- PERKINS series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air COOLED /turbocharged & air to water COOLED
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1,

EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid.

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



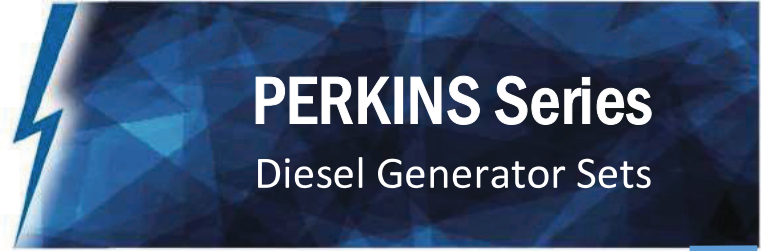
Warning system for decreasing fuel with electronic fuel level sender





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PERKINS Series

Diesel Generator Sets

PERKINS Series Diesel Generator Sets 10-50 kVA

MODEL					APJ - 10	APJ - 15	APJ - 22	APJ - 33
GROUP	GEN-SET POWER	STAND BY	kVA		10	15	22,3	33
			kW		8	12	17,8	26,4
		PRIME	kVA		9	13	20,3	30
			kW		7,2	10,4	16,2	24
	CANOPY DIMESNION (W x L x H) mm				900x1700x1220	900x1700x1220	900x1900x1220	1000x2300x1420
	CANOPY WEIGHT kg				650,1	668	760,6	1056,5
	OPEN DIMENSION (W x L x H) mm				900x1400x1220	900x1400x1220	900x1600x1220	1000x1900x1420
	OPEN WEIGHT				503,1	522	606,6	881,5
ENGINE	BRAND				PERKINS	PERKINS	PERKINS	PERKINS
	TYPE				403A-11G1	403A-15G1	404A-22G1	1103A-33G
	POWER	STAND BY	kW		9,2	13,2	20,3	30,4
		PRIME	kW		8,4	12	18,4	27,7
	SPEED (rpm)				1500	1500	1500	1500
	CYCLE				4	4	4	4
	DISPLACEMENT (lt)				1,131	1,493	2,213	3,3
	NUMBER OF CYLNDERS				3 IN LINE	3 IN LINE	4 IN LINE	3 IN LINE
	BORE x STROKE (mm x mm)				77 x 81	84 x 90	4 x 100	105 x 127
	COMPRESSION RATIO				23 : 1	22,5 : 1	23,3 : 1	19,25 : 1
	GOVERNOR TYPE				MECHANIC	MECHANIC	MECHANIC	MECHANIC
	INDUCTION				NATURAL	NATURAL	NATURAL	NATURAL
	COMBUSTION SYSTEM				INDIRECT	INDIRECT	INDIRECT	DIRECT
	COOLING SYSTEM				WATER	WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER			3	3,7	5,3	7,2
		%75 PRIME POWER			2,3	2,8	4	5,61
		%50 PRIME POWER			1,7	2	2,9	4,06
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)				4,9	6	10,6	8,3
	TOTAL COOLANT CAPACITY (lt)				5,2	6	7	10,2
	FUEL TANK CAPACITY (lt)				82	82	82	101

Armak reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.

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